Operating Instructions

ENGLISH

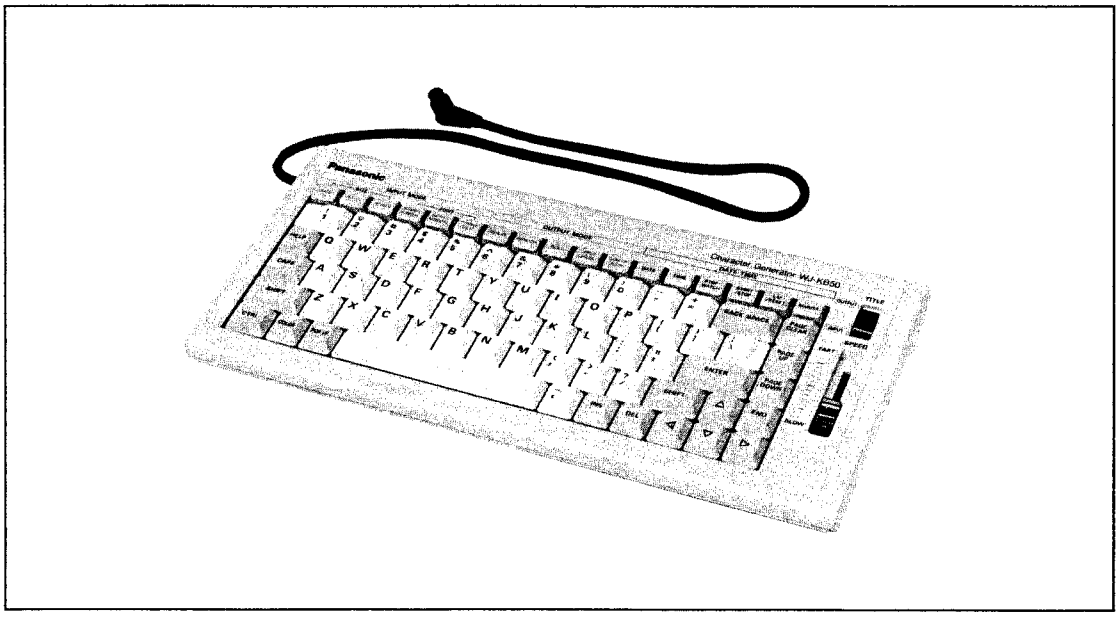
DEUTSCH

FRANÇAISE

ITALIANO

ESPAÑOL

Character Generator
WJ-KB50



Panasonic

Before attempting to connect or operate this product, please read these instructions completely.

ENGLISH VERSION

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This model conforms to the EC directive (for radio interference) 87/308/EEC.

This apparatus was produced to BS 800:1987.

The serial number of this product may be found on the bottom of the unit.
You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. WJ-KB50E

Serial No. _____

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

FEATURES

This Character Generator features the following functions and operations when used in combination with the specified Panasonic Digital AV Mixer.

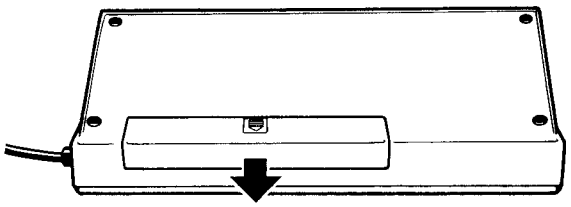
- Full key board and 48 dot fount.
- Various style of types including Roman, Gothic and Italic.
- Ten pages of character display and various title output functions such as Scroll, Wipe, Window Wipe, Roll and Crawl.
- Display of date, time and stopwatch with lap time.

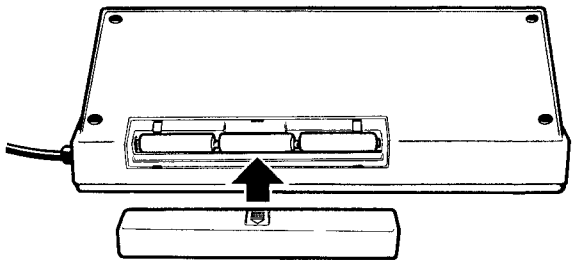
ENGLISH

PREPARATION

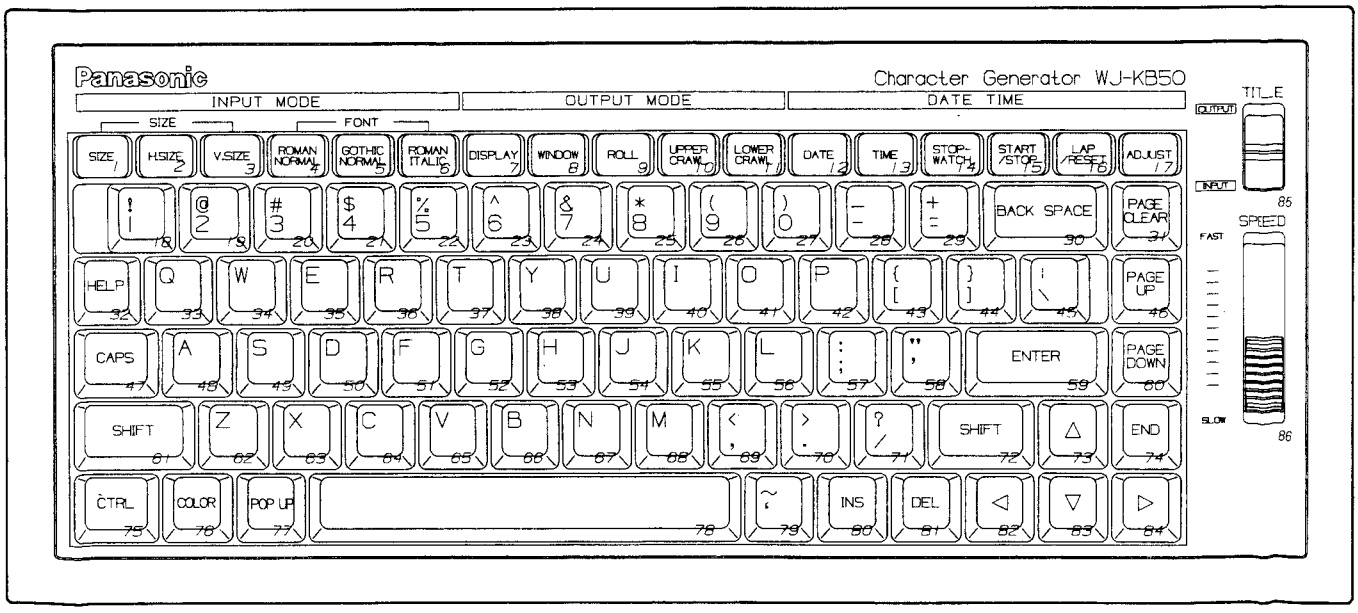
Battery Installation for Backup Memories.

1. Slide the battery cover as shown below.
2. Check the polarity of the batteries and install three batteries (type R6P) in the compartment.
3. Move the cover back as shown below.





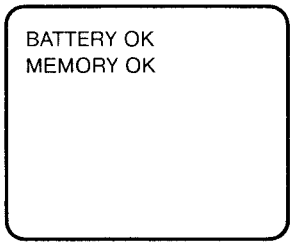
OPERATING CONTROLS AND THEIR FUNCTIONS



1. CONNECTIONS

Connect the interface plug to the specified AV Mixer after turning the power on. When this is done, the equipment starts to operate as follows :

1. "Character Generator" is displayed on the screen for two seconds.
2. Battery status and backup memories are displayed for two seconds.
3. The equipment runs in the mode selected by mode selection switch (85).



	Display
Battery Voltage	BATTERY OK
	BATTERY WARNING
	BATTERY EMPTY
Backup Memory	MEMORY OK
	MEMORY ERROR

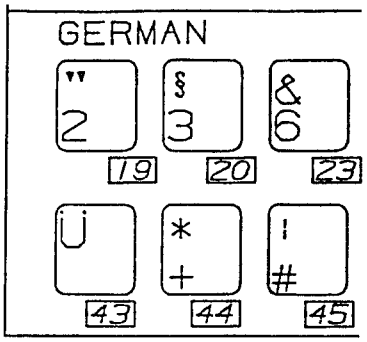
Caution :

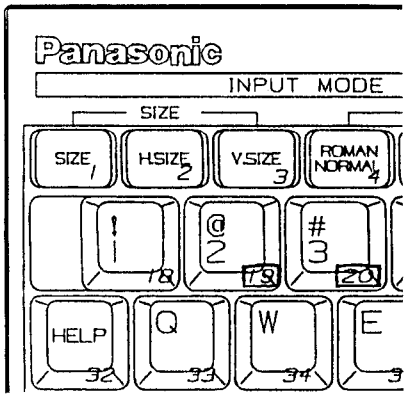
Replace the batteries when displayed "BATTERY WARNING" or "BATTERY EMPTY" on the screen.

Keyboard Setting

The characters arranged on the keyboard vary with the specifications of each country.
Before operating this character generator, select desired function from the keyboard.

1. Refer to page 8 chapter 4-13-2, in accordance with the instructions and select one of the functions ENGLISH / DEUTSCH / FRANÇAIS / ITALIANO / ESPAÑOL.
   Initially, select the function of ENGLISH. When operating this function, it is not necessary to do above action.
2. Use key labels supplied as a standard accessory to modify the character keys.
   Refer to page 2 for the key arrangement on the keyboard.
   Remove the key label showing the key number, and put the label on the key where same number is positioned as specified.





2. MODE SELECTION

Set the mode selection switch (85) to either the INPUT or OUTPUT mode.

INPUT MODE :

This mode is intended for causing the title to input. When the switch is set to the INPUT mode, the title input job queue state is selected.

OUTPUT MODE :

This mode is intended for causing the title to appear on the screen. When the switch is set to the OUTPUT mode, standby state of title display is selected.

When this switch changed over, the displayed page remains unchanged. For details of page selection and setting, refer to Chapter 4-3 and 5-1, respectively.
To change over the mode selection switch to the INPUT mode from the OUTPUT mode during Roll, Crawl, Date, Time, or Stopwatch display or during operation, bring the operation to an end and place the unit in the standby mode, after which the mode should be changed over to the INPUT mode.

3. FUNCTIONS AND ACTIVE KEYS

3-1. Input Mode

The following keys are used in the input mode.

1. Input

Function	Operation Keys	Subfunction Keys	Reference
Character Input	(Character Key)	[SHIFT]	4-1
Special Character Input	[POP UP]	[↑], [↓], [←], [→], [ENTER]	4-2
Page Selection	[PAGE UP], [PAGE DOWN]		4-3
Insertion and Overwrite	[INS]		4-4
Capital Letter and Small Letter	[CAPS]		4-5
Cursor Movement	[↑], [↓], [←], [→]		4-6
Line Feed	[ENTER]		4-7
Deletion	[BACK SPACE], [DEL], [PAGE CLEAR]	[SHIFT], [CTRL]	4-8
Character Size	[SIZE], [H. SIZE], [V. SIZE]	[SHIFT], [CTRL]	4-9
Fount	[ROMAN NORMAL], [GOTHIC NORMAL], [ROMAN ITALIC]	[SHIFT]	4-10
Colour Setting	[COLOR]	[SHIFT], [CTRL]	4-11

2. Initial setting, Selected mode confirmation

Function	Operation Keys	Subfunction Keys	Reference
Fine Adjustment of Character Position	[CTRL], [SPACE], [↑], [↓], [←], [→]		4-12
Selected Mode Confirmation	[HELP]	[CTRL]	4-13
Date Display Mode Selection	[CTRL], [DATE]		4-14
Time Display Mode Selection	[CTRL], [TIME]		4-15
Second Adjustment	[SHIFT], [ADJUST]		4-16
Date and Time Adjustment	[CTRL], [ADJUST]	[↑], [↓], [←], [→]	4-17

3-2. Output Mode

The following keys are used in the output mode.

Function	Operation Keys	Subfunction Keys	Reference
Page Setting	(Numeral Character)	[SHIFT]	5-1
Display	[DISPLAY]		5-2
Scroll	[↑], [↓], [←], [→]		5-3
Wipe	[SHIFT], [↑], [↓], [←], [→]		5-4
Window Wipe	[WINDOW]	[SHIFT]	5-5
Roll	[ROLL]	[SPACE], [END], [CTRL]	5-6
Crawl	[UPPER CRAWL], [LOWER CRAWL]	[SPACE], [END], [CTRL]	5-7
Date Display	[DATE]		5-8
Time Display	[TIME]		5-8
Stopwatch Display	[STOP WATCH]	[START/STOP], [LAP/RESET]	5-9
Speed Adjustment	Speed Control Lever		5-10

4. INPUT MODE FUNCTION

4-1. Character Input

1) Character Keys
   The characters arranged on the keyboard vary with the specifications of each country. Refer to page 12 through 13 for a list of character keys.
   Initially, select the function of ENGLISH.

2) Method of Character Input
   1. Common Input
      When the character key is pressed while holding the [SHIFT] key, the upper case of character on the key is displayed on the screen, and when the character key is pressed after releasing the [SHIFT] key, the lower case of character on the key is displayed on the screen.
   2. Capital Letters Function
      To output capital letters, press alphabetic keys while holding the [CAPS] key.
      For further information, see the tables below.

      i) English, Spanish and Italian

		CAPS Released	CAPS Locked
Alphabetic Character	Common	Small Letter	Capital Letter
	+SHIFT Key	Capital Letter	Small Letter
Other Characters	Common	Lower Case	Lower Case
	+SHIFT Key	Upper Case	Upper Case

      Press the [CAPS] key to set the position CAPS locked, and press the key once again to release the setting.

      ii) German and French

		CAPS Released	CAPS Locked
Alphabetic Character	Common	Small Letter	Capital Letter
Other Characters	Common	Lower Case	Upper Case

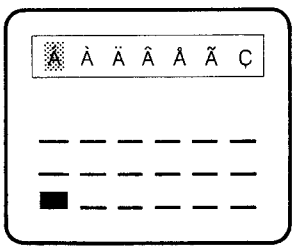
      When the [CAPS] key is pressed, the CAPS function is locked. To clear the CAPS function, press the [SHIFT] key.

3. Dead Keys
   Used to add an accent symbol to the character on the keyboard. Even when a dead key is pressed, neither a character appears nor the cursor moves. When a character key, to which you want to add an accent symbol, is pressed, the accent added character is displayed.
   But when the character key, to which an accent cannot be added, is pressed, the character appears without any accent symbol.
   See page 12 and 13 for details of Dead Keys positions.

KEYBOARD	ALL POSSIBLE DEAD KEY COMBINATIONS
ENGLISH	DEAD KEYS NOT SUPPORTED
GERMAN	á é í ó ú É à è ì ò ù
FRENCH	ä ë ï ö ü ÿ Ä Ö Ü â ê î ô û
SPANISH	ä ë ï ö ü ÿ Ä Ö Ü á é í ó ú É à è ì ò ù â ê î ô û
ITALIAN	DEAD KEYS NOT SUPPORTED

4-2. Special Character Input

1. Press the [POP UP] Key. Now, a pop-up window appears with the character frequently used.
   Press the [POP UP] Key to cancel the desired function or erase the pop-up window.
2. A pop-up window appears at the upper part of the screen with the cursor positioned at the lower part of the screen, or it appears at the lower part of the screen with the cursor positioned at the upper part of the screen.
3. While the menus are shown, use the arrow keys [↑] [↓] [←] [→] to move the highlight bar to a desired character.
   Then press the [ENTER] key to display the desired character where the cursor is positioned, and the pop-up window is now erased.



4. See page 14 for the details shown on the menu in the pop-up window.

4-3. Page Selection

1. Press the [PAGE UP]key to move the page forward and press the [PAGE DOWN] to move the page back.
2. When moving a page forward, page 1 comes next to page 10, and when moving a page back, page 10 comes next to page 1.
3. When the page is changed, page number is displayed for 1 second at the upper left of the screen, after which the contents of that page are displayed.

4-4. Insertion and Overwrite

1. Press the Insert Key [INS] to mutually set the Insert mode and the Overwrite mode.
2. Initially, select the Overwrite mode.
3. In the Overwrite mode, the cursor blinks.
   In the Insert mode, the cursor is placed in the character inverted state, and it does not blink for that reason.

4-5. Capital Letter and Small Letter

1. Press the Capital Letters Key [CAPS] to mutually set the Capital Letter Input mode and Small Letter Input mode.
   Refer to chapter 4-1-(2) when operating the keyboard with GERMAN or FRENCH specified.
2. Initially, select the small letter input mode.
3. The height of the cursor is reduced in the Small Letter mode, and the cursor becomes taller as before in the Capital Letter mode.

4-6. Cursor Movement

1. Press the arrow keys [↑] [↓] to feed the cursor one line, and press the arrow keys [←] [→] to move the cursor one character to the desired direction.
2. The cursor is positioned at the upper left corner of the screen initially.
3. Keep on pressing the above keys, moves the cursor continuously.
4. The cursor does not move further from the top or bottom or from the left or right end of the screen.

4-7. Line Feed

1. In the overwrite mode, press the [ENTER] key to move the cursor to the head of the next line.
   When the cursor is positioned on the last line, press the [ENTER] to move the cursor to the head of the last line.
2. In the Insert mode, press the [ENTER] key to open a new line. Now, the sentence after the cursor is inserted between that position and the next line, and the last line is deleted.
   Execute the above function in the last line, to delete the sentence after the cursor and move the cursor to the head of the last line.
3. The character which does not fit within end of the lowermost line on the display, such characters are inserted at the head of that line.

4-8. Deletion

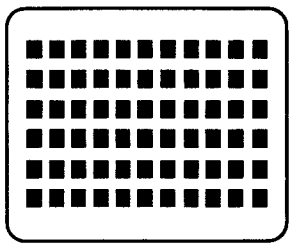
1) Back Space Key
   1. Press the [BACK SPACE] key to delete the character positioned immediately before the cursor and to fill the blank with one sentence after the cursor on the line.
   2. This is invalid when the cursor exists at the head of the line.
2) Delete
   1. Press the Delete Key [DEL] to delete the character where the cursor is positioned and to fill the blank with only one space after the cursor. However, it does not fill the blank extending over the line where the cursor is positioned.
   2. Press the [DEL] key while holding [SHIFT] key to delete the entire line where the cursor is positioned and move one line up. The cursor returns to the head of the line.
      Refer to the key sequence "[SHIFT] + [DEL]" for further information.
3) Page Clear
   1. Press [SHIFT] + [PAGE CLEAR] to erase all the contents of the currently selected page on the screen.
   2. Press [CTRL] + [PAGE CLEAR] to erase all the contents of ten pages, and the cursor returns to the top of the first page.

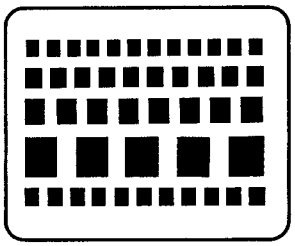
4-9. Character Size

1. Characters come in four sizes. Press the corresponding function key to change the display from one to another by toggle operation.

   → SMALL → MEDIUM → LARGE → EXTRA LARGE →

2. Initially, the medium size is selected.
3. Press the [SIZE] key to change the row and column of the character size on the selected page.
4. Press the [H.SIZE] key to change the column of the character size on the selected page.
5. Press the [V. SIZE] key to change the row of the character size on the selected page.
6. Press [SHIFT] + [SIZE] to change the row and column of the character size on the selected line where the cursor is positioned.
7. Press [SHIFT] + [H. SIZE] to change the column of the character size on the selected line where the cursor is positioned.
8. Press [SHIFT] + [V. SIZE] to change the row of the character size on the selected line where the cursor is positioned.
9. When the [SIZE] key is pressed with character size mixed, the row and column of the character size is changed by toggle operation from the current size of each character.
   Similarly, when the [H. SIZE] key is pressed, only the column of character size is changed, and when the [V. SIZE] is pressed, only the row of character size is changed.

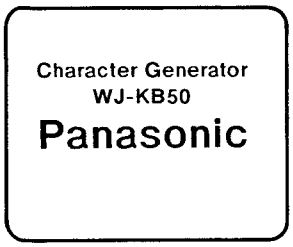


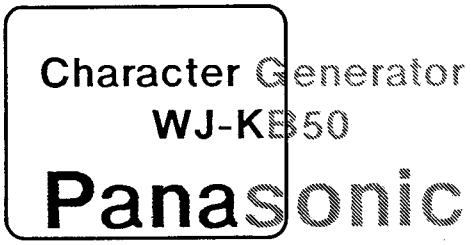


10. When the character sizes are mixed, press [CTRL] + [SIZE] to change the row and column into medium size where the characters exist on the selected page.
11. When the character sizes are mixed, press [CTRL] + [H. SIZE] to change the column into medium size where the characters exist on the selected page.
12. When the character sizes are mixed, press [CTRL] + [V. SIZE] to change the row into medium size where the characters exist on the selected page.
13. When changing the character size, the following numbers of character may be displayed in one page.
    Numbers below indicated are approximate as the character varies depending up on the chosen character style, capital and small letters, character itself, etc.

CHARACTER SIZE	MAX NUMBERS OF CHARACTERS
SMALL	20 CHARACTERS × 12 ROWS
MEDIUM	11 CHARACTERS × 6 ROWS
LARGE	7 CHARACTERS × 4 ROWS
EXTRA LARGE	5 CHARACTERS × 3 ROWS

14. As the character size is increased, a part of the title only is displayed on the screen in the expanded size. But the portion of data not displayed is also saved. When the character size is reduced, the original character is displayed on the screen once again. At the time of title display, only the region displayed currently on the screen is displayed.





4-10. Fount (Font)

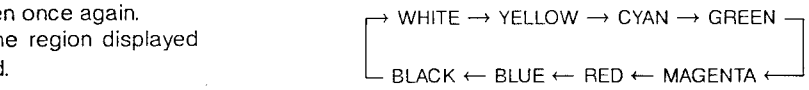
1. Press the [ROMAN NORMAL] key to choose the Roman character.
2. Press the [GOTHIC NORMAL] key to choose the Gothic character.
3. Press the [ROMAN ITALIC] key to choose the Italic character.
4. Press [SHIFT]+[ROMAN NORMAL] to, choose the Roman character on the selected line where the cursor is positioned.
5. Press [SHIFT]+[GOTHIC NORMAL] to choose the Gothic character on the selected line where the cursor is positioned.
6. Press [SHIFT]+[ROMAN ITALIC] to choose the Italic character on the selected line where the cursor is positioned.

4-11. Colour Setting

Caution :

The functions below are not available when used in combination with the specified AV Mixer in this moment. The colour setting is made by specified AV Mixer.

1. Colour setting becomes valid when this mode is turned on. Initially, the colour setting is off.
2. Press the [COLOR] key to change the character colour over the entire screen.
3. Press [SHIFT]+[COLOR] to change the character colour on the line where the cursor is positioned.
4. Usable character colours are eight. These character colours change in the sequence shown below. Initially, the colour is white.



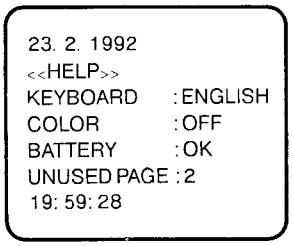
5. When the character colours are mixed on the line, character colours change in the sequence shown above when the [COLOR] key is pressed.
6. Press [CTRL]+[COLOR] to turn the character colours all white whatever colour is shown on the screen.

4-12. Fine Adjustment of Character Position

1. Press [CTRL]+[↑] to shift the screen two dots upward.
2. Press [CTRL]+[↓] to shift the screen two dots downward.
3. Press [CTRL]+[←] to shift the screen one dot to the left.
4. Press [CTRL]+[→] to shift the screen one dot to the right.
5. Initially, characters are in positions requiring no fine adjustment. Fine adjusted character positions are saved.
6. Finely adjustable range is ±10 dots vertically and ±12 dots horizontally from the initial position.
7. Press [CTRL]+[SPACE] to cancel fine adjustment, and the character position becomes the initially set position.

4-13. Selected Mode Confirmation

1. Press the [HELP] key to cause the contents below on the screen.

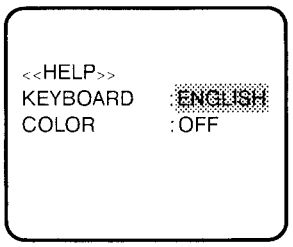


- Keyboard function (ENGLISH / DEUTSCH / FRANÇAIS / ITALIANO / ESPAÑOL)
- Colour key function (ON/OFF)
- Battery Level (OK/WARNING/EMPTY)
- Unused Page Number (1-0)
- Date
- Time

Press the [HELP] key to return the screen display to the original screen.

2. When the [CTRL] + [HELP] keys are pressed, the help screen appears so that keyboard setting or colour key setting can be changed. Now, setting change can be made by using [↑], [↓], [←] and [→] keys. After setting, when the [ENTER] key is pressed, setting change is executed and the help screen is cleared.

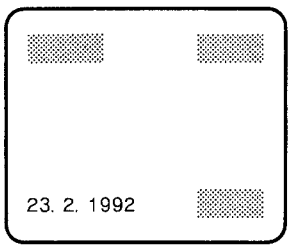
When setting change is not made, the help screen disappears upon pressing the [CTRL] + [HELP] keys.



4-14. Date Display Mode Selection

1. Press [CTRL]+[DATE] to select Date Display mode.
2. Press the [DATE] key to mutually select three display modes sequentially.
   Press the arrow keys [↑] [↓] [←] [→] to select the display position at the four corners of the screen.
   Press [ENTER] key to execute setting change, and the mode selected is cleared.
   When not executing the setting change, the date display selection mode can be cleared without changing the setting by pressing the [CTRL] + [DATE] keys.

Display Mode
23. 2. 1992
FEB. 23. 1992
1992. 2. 23

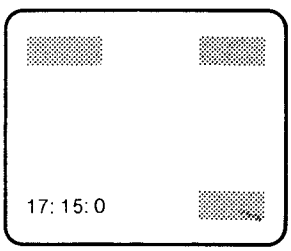


3. Initially, the display mode is such as 23. 2. 1992.
4. The display position is initially at the lower left corner of the screen.

4-15. Time Display Mode Selection

1. Press [CTRL]+[TIME] to select Time Display Mode.
2. Press the [TIME] key to alternately select two display modes.
   Press the arrow keys [↑] [↓] [←] [→] to select the display position at the four corners of the screen.
   Press the [ENTER] key to execute setting change and to return to the original screen.
   If the setting change is not executed, press [CTRL] + [TIME] to return to the original screen without the setting change.

Display Mode
17 : 15 : 0
PM 5 : 15 : 0



3. Initially, the display mode is such as 17 : 15 : 0.
4. Initially, the display position is at the lower left corner of the screen.

4-16. Second Adjustment

1. Press [SHIFT]+[ADJUST] to select the second correction mode.
2. When the [ADJUST] key is pressed in this mode, the time should be corrected to 0 second when it is between 0 and 29 seconds, but it should be advanced one minute with seconds adjusted to 0 when seconds are between 30 and 59.
3. Press [SHIFT]+[ADJUST] or [ENTER] to return to the original screen.

4-17. Date and Time Adjustment

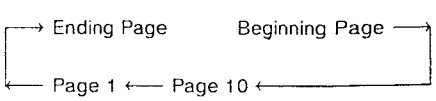
1. Press [CTRL]+[ADJUST] to select the date and time setting mode.
2. Use arrow keys [←] [→] to move the cursor to desired position and arrow keys [↑] [↓] to adjust the number. After completing the setting, press the [ENTER] key to execute desired setting and return the original screen. If setting is not changed, press the [CTRL] + [ADJUST] keys to return to the original mode from the date and time setting mode without changing the setting.
3. Initially, the setting is made 0 : 0 : 0 and 1. 1. 1990.
4. Select the following display sequence to adjust the date.

Note : It is availabel to adjust the date between year of 1990 and 2089.

5. OUTPUT MODE FUNCTION

5-1. Page Setting

1) Page setting for Display, Scroll, Wipe and Window Wipe
   1. When a numeral key is pressed with the screen in the standby state, the page corresponding to the numeral key is set.
      No display is made for page setting.
      If the title is being displayed, the page corresponding to the numeral key is displayed.
   2. Press the numeral key [0] to select page 10.
   3. Initially, set page to page 1.
   4. The last pressed numeral key is valid when the numeral key is pressed more than twice.
2) Page setting for Roll and Crawl
   1. When [SHIFT]+Numeral keys are pressed two times, the 1st pressing is set for the beginning page, and the 2nd pressing for the ending page. No display of page setting is made, however.
   2. When the beginning page number is lager than the ending page number, pages sequentially from the beginning page till 10th page are displayed first, and the 1st page till the ending page is then displayed.



3. Initially, the beginning page is page 1, and the ending page is page 10.
4. When the [SHIFT] + Numeral keys are pressed three times or more, the last two numbers are valid.

5-2. Display

1. Press the [DISPLAY] key to display the title of the chosen page when the screen is in the standby mode.
2. Press the [DISPLAY] key to erase the title when the title is displayed on the screen.
3. When the title is displayed on the screen, press the numeral key to change the page corresponding to the numeral key.

5-3. Scroll

1. Press the arrow key when the screen is in the standby mode, to scroll the title of the selected page in the direction of an arrow. The title stops in the centre of the screen.
2. Keep on pressing the arrow key when the screen is in the standby mode, to scroll the title of the selected page in the direction of an arrow. The title scrolls out without stopping in the centre of the screen.
3. Press the arrow key when the title is displayed on the screen to scroll out the title in the direction of an arrow.

5-4. Wipe

1. Press [SHIFT]+Arrow keys in the standby mode, to begin to wipe in the title selected.
   The title appears in the same direction chosen by pressing the arrow key.
2. Press [SHIFT]+Arrow keys when the title is displayed on the screen, to begin to wipe out the title displayed.
   The title is erased from the same direction selected by pressing the arrow key.

5-5. Window Wipe

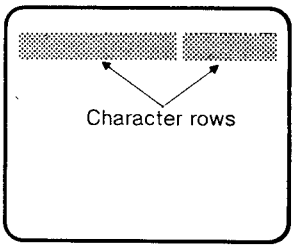
1. Press the [WINDOW] key in the standby mode, to begin to wipe in the title selected.
   The title appears from the centre of the screen toward the four corners.
2. Press the [WINDOW] key when the title is displayed on the screen, to begin to wipe out the title displayed.
   The title is erased from the four corners toward the centre of the screen.
3. Press [SHIFT]+[WINDOW] keys in the standby mode, to begin to wipe in the title selected.
   The title appears from the four corners toward the centre of the screen.
4. Press [SHIFT]+[WINDOW] keys when the title is displayed on the screen, to begin to wipe out the title displayed.
   The title is erased from the centre toward the four corners of the screen.

5-6. Roll

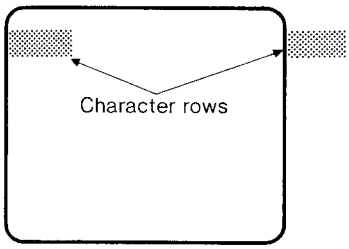
1. Press the [ROLL] key in the standby mode, to continuously make scroll in the beginning page through scroll out of the ending page in the upper direction.
2. Press the [ROLL] key when the title is displayed on the screen. Now, the title begins to roll after erasing the title once on the screen.
3. Press [CTRL]+[ROLL] keys in the standby mode. Now, the title begins to function as item 1) above continuously.
4. Press [CTRL]+[ROLL] keys when the title is displayed on the screen. Now, the title begins to function as item 1) above continuously after erasing the title once on the screen.
5. Press the [SPACE] key to temporarily stop while the roll is being made.
   Then press the key once again to clear the function and the title begins to roll.
6. Press the [END] key while the roll is being made, to erase the title for finishing.

5-7. Crawl

1. Press [UPPER CRAWL] key in the standby mode, to begin the crawl the title selected. When this is done, operation from the top line of the beginning page to the bottom line of the ending page is continuously scrolled one line at a time toward the left at the upper end of the screen.



2. Press the [LOWER CRAWL] key in the standby mode, to continuously scroll from the top line of the beginning page to the bottom line of the ending page one line at a time toward the left at the lower end of the screen.
3. Press the [CTRL] + [UPPER CRAWL] keys in the standby mode, to repeat the operation of item 1) above.
4. Press the [CTRL] + [LOWER CRAWL] keys to repeat the operation of item 2) above.
5. When the title is displayed on the screen, the title is erased once, and then the scroll begins.
6. When the character colour of the line now under crawl and the character colour of the next line differ, the scroll in starts as from the next line after scroll of the current line.



7. When the [SPACE] key is pressed in the process of crawl, the title is temporarily stopped and when the key is pressed again, the temporary stop is released.
8. When the [END] key is pressed in the process of crawl, the title is erased, to finish the crawl.

5-8. Date and Time Display

1. Press the [DATE] key repeatedly to display and to erase the date alternately.
2. Press the [TIME] key repeatedly to display and to erase the time alternately.
3. When the date or time is combined with the title, the date and time are preferentially displayed.
4. When the date or time is displayed on the screen, only the [DISPLAY] key is valid, and no function such as scroll, wipe, window wipe, roll and crawl are made.
5. The display of date and time is invalid during the display of the stopwatch.

5-9. Stopwatch Display

1. Press the [STOP WATCH] key to display the stopwatch at the lower right corner of the screen.
   The stopwatch disappears when the key is pressed once again.
2. When the stopwatch is combined with the title, the stopwatch is preferentially displayed.
3. Press the [START/STOP] key repeatedly to start and to stop the stopwatch alternately.
4. Press the [LAP/RESET] key while the stopwatch is being stopped, to reset the stopwatch time.
5. Press the [LAP/RESET] key while the stopwatch is in operation. The stopwatch continues to operate while the lap mark (.) is blinking, although the display of the stopwatch discontinued.

0 : 00 : 12 : 34

6. Press the [LAP/RESET] key while the stopwatch is in the lap state, to release the lap operation.
7. When the stopwatch is displayed on the screen, only the [DISPLAY] key is valid, and no function such as scroll, wipe, window wipe, roll and crawl are made.
8. The display of stopwatch is invalid during the display of the date and time.
9. The stopwatch is displayed up to 9 hours 59 minutes 59 seconds 99.

5-10. Speed Adjustment

1. The movement speed of the functions such as scroll, wipe, window wipe, roll and crawl are adjustable by adjusting Speed Control Lever (86).
2. The speed adjustment is effective while the title output is being made.

SPECIFICATIONS

Power Source :	9V DC
Backup Battery :	R6P or AA 1.5V × 3
Ambient Operating Temperature :	+5°C - +40°C (41°F - 104°F)
Dimensions :	350 (W) × 41 (H) × 155 (D) mm
	13 - 3/4" (W) × 1 - 5/8" (H) × 6 - 1/8" (D)
Weight (without batteries) :	710g (1.56 lbs.)

Weight and dimensions indicated are approximate.
Specifications are subject to change without notice.

CHARACTER KEYS

KEY NO.	ENGLISH		GERMAN		FRENCH		SPANISH		ITALIAN	
	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE
16										
17										
18	1	!	1	!	&	1	1	!	1	!
19	2	@	2	"	é	2	2	"	2	"
20	3	#	3	§	"	3	3	·	3	£
21	4	$	4	$	'	4	4	$	4	$
22	5	%	5	%	(	5	5	%	5	%
23	6	^	6	&	-	6	6	&	6	&
24	7	&	7	/	è	7	7	/	7	/
25	8	*	8	(	_	8	8	(	8	(
26	9	(	9	)	ç	9	9	)	9	)
27	0	)	0	=	à	0	0	=	0	=
28	-	_	ß	?	)	°	'	?	'	?
29	=	+	' ** DK	` ** DK	=	+	¡	¿	ì	^
30										
31										
32										
33	q	Q	q	Q	a	A	q	Q	q	Q
34	w	W	w	W	z	Z	w	W	w	W
35	e	E	e	E	e	E	e	E	e	E
36	r	R	r	R	r	R	r	R	r	R
37	t	T	t	T	t	T	t	T	t	T
38	y	Y	z	Z	y	Y	y	Y	y	Y
39	u	U	u	U	u	U	u	U	u	U
40	i	I	i	I	i	I	i	I	i	I
41	o	O	o	O	o	O	o	O	o	O
42	p	P	p	P	p	P	p	P	p	P
43	[	{	ü	Ü	^ ** DK	¨ ** DK	` ** DK	^ ** DK	è	é
44	]	}	+	*	$	£	+	*	+	*
45	\	¦	#	¦	*	µ	ç	Ç	ù	§
46										
47										
48	a	A	a	A	q	Q	a	A	a	A

** DK : Dead Key

KEY NO.	ENGLISH		GERMAN		FRENCH		SPANISH		ITALIAN	
	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE	LOWER CASE	UPPER CASE
49	s	S	s	S	s	S	s	S	s	S
50	d	D	d	D	d	D	d	D	d	D
51	f	F	f	F	f	F	f	F	f	F
52	g	G	g	G	g	G	g	G	g	G
53	h	H	h	H	h	H	h	H	h	H
54	j	J	j	J	j	J	j	J	j	J
55	k	K	k	K	k	K	k	K	k	K
56	l	L	l	L	l	L	l	L	l	L
57	;	:	ö	Ö	m	M	ñ	Ñ	ò	ç
58	'	"	ä	Ä	ù	%	' ** DK	¨ ** DK	à	°
59										
60										
61										
62	z	Z	y	Y	w	W	z	Z	z	Z
63	x	X	x	X	x	X	x	X	x	X
64	c	C	c	C	c	C	c	C	c	C
65	v	V	v	V	v	V	v	V	v	V
66	b	B	b	B	b	B	b	B	b	B
67	n	N	n	N	n	N	n	N	n	N
68	m	M	m	M	,	?	m	M	m	M
69	,	<	,	;	;	.	,	;	,	;
70	.	>	.	:	:	/	.	:	.	:
71	/	?	-	_	!	§	-	_	-	_
72										
73										
74										
75										
76										
77										
78										
79	`	~	<	>	<	>	<	>	<	>
80										

** DK : Dead Key

Menu in the POP UP WINDOW

Á	À	Ä	Â	Å	Ã	Ç
É	È	Ë	Ê	Í	Ì	Ï
Î	Ñ	Ó	Ò	Ö	Ô	Õ
Š	Ú	Ù	Ü	Û	Ŵ	Ý
Ÿ	Ŷ	Ž	Æ	Œ	IJ	Ø
Þ	Ð	SPACE	SPACE	SPACE	SPACE	SPACE
á	à	ä	â	å	ã	ç
é	è	ë	ê	í	ì	ï
î	ñ	ó	ò	ö	ô	õ
š	ú	ù	ü	û	ŵ	ý
ÿ	ŷ	ž	æ	œ	ij	ø
þ	ð	ß	SPACE	SPACE	SPACE	SPACE
Γ	Σ	Φ	Ω	α	β	δ
θ	μ	π	σ	τ	φ	SPACE
.	,	:	;	•	/	\

?	!	¿	¡	‼	—	-
_	(	)	[	]	{	}
«	»	‘	’	“	”	"
+	−	×	÷	=	<	>
±	≤	≥	≡	≈	2	n
♂	♀	∞	√	∫	⌡	SPACE
$	£	¥	Pt	¢	*f*	%
°	°C	°F	′	″	SPACE	SPACE
#	&	*	†	§	¶	¦
↑	↓	←	→	↕	↨	↔
@	©	®	TM	º	ª	☞
~	^	~	▲	▼	◀	▶
☺	☻	☼	♥	♦	♣	♠
♪	♬	•	◘	○	◙	SPACE
½	¼	¾	SPACE	SPACE	SPACE	SPACE

DEUTSCHE AUSGABE
(GERMAN VERSION)

INHALT

MERKMALE 16
VORBEREITUNG 16
BEDIENUNGSELEMENTE UND IHRE FUNKTIONEN 16
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2. BETRIEBSARTENWAHL 17
3. FUNKTIONEN UND FUNKTIONSFÄHIGE TASTEN 18
4. FUNKTIONEN IN DER EINGABE-BETRIEBSART 19
5. FUNKTIONEN IN DER AUSGABE-BETRIEBSART 23
TECHNISCHE DATEN 25

Bescheinigung des Herstellers/Importeurs

Hiermit wird bescheninigt, daß der/die/das

_____

(Gerät, Typ, Bezeichnung)

In Übereinstimmung mit den Bestimmungen der

VFG 1046/1984

_____

(Amtsblattverfügung)

funkentstört ist.
Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Panasonic Deutschland GmbH

_____

Name des Herstellers/Importeurs

Dieses Modell entospricht der EG-Vorschrift (für Funkstörungsschutz) 87/308/EG.

Die Fabriknummer dieses Gerätes ist auf dessen Bodenabdeckung angegeben.
Sie sollten die Fabriknummer dieses Gerätes in den dafür vorgesehenen Raum eintragen und diese Anleitung als Kaufsunterlage aufbewahren, um im Falle eines Diebstahls die Identifizierung zu erleichtern.

Modellnummer WJ-KB50E

Fabriknummer _____

WARNUNG: UM DIE GEFAHR VON BRAND ODER STROMSCHLAG ZU VERHÜTEN, DIESES GERÄT WEDER REGEN NOCH FEUCHTIGKEIT AUSSETZEN.